FS-1-f6-7-(3) 1202.2

FS-INT-1202-(473)

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

RS-INT
RESEARCH PROGRAM
Working Plans
(Spring-Fall Test of Containers
1957-1858)

RS-INT
REGENERATION
Planting

WORK PLAN

SPRING-FALL TEST OF CONTAINERS 1957-1958

By

James D. Curtis

Intermountain Forest & Range Experiment Station

September 1957

CC: Boise R.C.

M—5123

U. S. GOVERNMENT PRINTING OFFICE 8—7417

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WORK PLAN

SPRING-FALL TEST OF CONTAINERS 1957-1958

Object: (a) To test the efficacy of the two kinds of containers for outplanting ponderosa pine in plowed furrows on severe sites.

(b) To test the effect of season on survival of ponderosa pine in two kinds of containers.

Location: On the eastern Headquarters fenced area just north of the 1957 four-plot power planting. The fall planted stock will be in one furrow for about 3 chains; the spring planted stock will be in a furrow immediately above it and in a corresponding position.

Site: The site supports forbs and grasses of various kinds but particularly tarweed and cheatgrass. There is a scattering of bitter brush. The aspect is generally northeast. The soil is loamy, coarse granite sand but here and there the subsoil is hard enough to make power drilling slow.

Stock: The stock will be 1-0 ponderosa pine seedlings in $1\frac{1}{2}$ x $1\frac{1}{2}$ x 12 inches long and $1\frac{1}{2}$-inch diameter and 12 inches long containers.

Season of planting: Twenty-five of each kind of container will be planted in the fall of 1957 and the same number in the spring of 1958.

Method of planting: A one-man "Little Beaver" unit with 6-inch fence post auger attached will be used to dig the holes, and care used to tamp around the containers, with the soil in the containers level with the ground soil surface.

Planting will be done by Curtis and Lynch.

Survival check: Survival counts will be made in the fall of 1958 and each fall thereafter for 4 years when the seedlings will be considered established.

Protection: The planting will be enclosed in a fenced area set aside for experimental regeneration work so should not suffer from sheep. Deer tracks have been seen inside the fence but damage from this source is not considered likely.

Statistical design: The most appropriate analysis of this planting test will be by chi-Square.

JAMES D. CURTIS
September 1957